Abstract of the Disclosure

present invention relates to The fabricating a ferroelectric random access memory (FeRAM) The method includes the steps of: forming a first inter-layer insulation layer on a substrate; forming a storage node contact connected with a partial portion of the substrate by passing through the first inter-layer insulation layer; forming a lower electrode connected to the storage node contact on the first inter-layer insulation layer; forming a second inter-layer insulation layer having a surface level lower than that of the lower electrode so that the second inter-layer insulation layer encompasses a bottom part of the lower electrode; forming an impurity diffusion barrier layer encompassing an upper part of the lower electrode on the second inter-layer insulation layer; forming a ferroelectric layer on the lower electrode and the impurity diffusion barrier layer; and forming top electrode a the ferroelectric layer.

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